

Practical parasite lecture (10) Nematode second stage

Ancylostomiasis: Ancylostomiasis is caused by hookworms,

Parasite : *Ancylostoma duodenale*

Infective stage : Filariform larvae

Transmission : contracted by persons walking barefoot over contaminated moist soil with the **Filariform** larvae that penetrating the skin.

Life cycle :

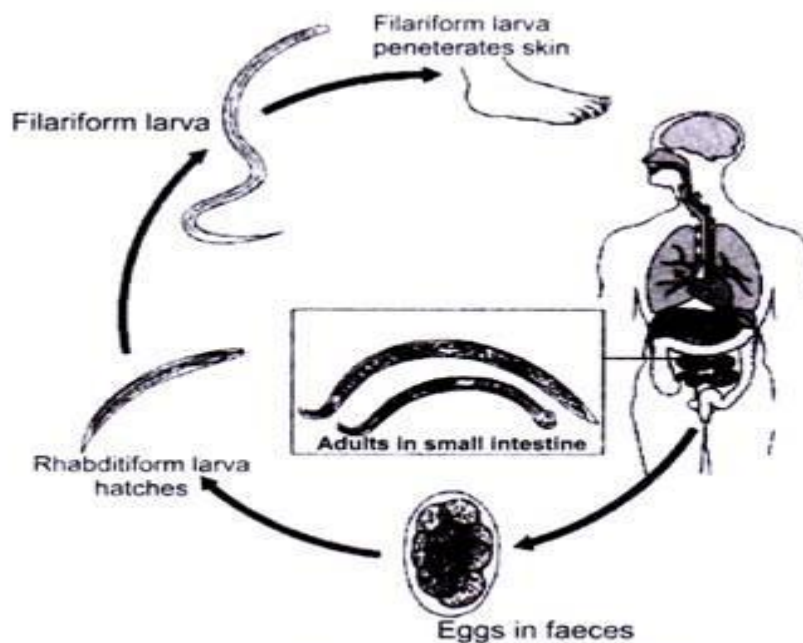


Fig. 9.21 Life Cycle of *A. duodenale*

Symptoms: Migration of worms causes local severe itching, produce an **iron deficiency anemia** by sucking blood from the host's intestinal walls, bloody sputum, cough, fever, intestinal ulcer, and passing worms, pulmonary infiltration, malnourished abdominal pain.

Diagnosis : 1-Direct smear 2-Sedimentation method 3-Floatation method.

Prevention: prevent uses of human feces as fertilizer.

,prevent walking barefoot over contaminated moist soil .

Treatment: Benzimidazole derivatives as Mebendazole &Albendazole, the patient must be receive dietary to improve their general level of health .



Ancylostoma duodenale *Ancylostoma duodenale* Egg



Adult worm male & female of *Ancylostoma duodenale*